

MEAN LAKE LEVELS DURING MAY, 1924

By UNITED STATES LAKE SURVEY

[Detroit, Mich., June 5, 1924]

The following data are reported in the "Notice to Mariners" of the above date:

Data	Lakes ¹			
	Superior	Michigan and Huron	Erie	Ontario
Mean level during May, 1924:				
Above mean sea level at New York.....	Feet 601.19	Feet 579.24	Feet 572.16	Feet 246.10
Above or below—				
Mean stage of April, 1924.....	+0.17	+0.37	+0.39	+0.74
Mean stage of May, 1923.....	-0.38	-0.38	+0.34	+0.48
Average stage for May last 10 years.....	-0.90	-1.35	-0.46	-0.36
Highest recorded May stage.....	-1.86	-4.28	-2.26	-2.85
Lowest recorded May stage.....	+0.37	-0.32	+0.85	+1.14
Average relation of the May level to—				
April level.....		+0.3	+0.4	+0.3
June level.....		-0.2	-0.2	-0.2

¹ Lake St. Clair's level: In May, 1924, 574.56 feet.

EFFECT OF THE WEATHER ON CROPS AND FARMING OPERATIONS. MAY—1924

By J. B. KINCER

The month of May was decidedly unfavorable for agricultural interests in much the greater portion of the country, except that grass and winter grains made rather satisfactory progress in most districts. The weather was persistently cool in nearly all sections east of the Rocky Mountains, and there was too much rain in many localities, especially in parts of the South, and generally from the Ohio Valley northward and eastward. West of the Rocky Mountains severe drought and unseasonably warm weather obtained, which was very detrimental to all dry-land crops, especially to the small grains. Irrigated crops made good progress, but at the same time there was a heavy drain on the water supply, which was becoming short in many sections.

Corn planting was very greatly delayed by the cool weather and frequent showers in central districts east of the Mississippi River. Much corn remained to be planted in the Ohio Valley and Middle Atlantic States at the close of the month, some States reporting that only about half of the crop had been put in. Germination was also unsatisfactory, necessitating much replanting. Between the Mississippi River and Rocky Mountains the drier weather permitted better progress in planting, but it continued too cool for germination and growth in most sections. Corn came up to a fairly good stand in Missouri but was off color, and the general condition in Iowa at the close of the month was very poor.

Winter grains made fairly good growth in most of the principal producing areas, under the influence of the cool, moist weather. During the middle portions of the month moisture was deficient in the western winter-wheat belt, especially in Kansas where some deterioration of the crop was reported. Good rains fell the latter part of the month, however, in this area, which materially

River and station	Flood stage	Above flood stages—dates		Crest	
		From—	To—	Stage	Date
MISSISSIPPI DRAINAGE—continued					
	<i>Feet</i>			<i>Feet</i>	
Monongahela:					
Lock No. 15, Houtt, W. Va.	22	12	13	27.8	12
Lock No. 10, Morgantown, W. Va.	25	12	13	27.7	12
Lock No. 7, Martin, Pa.	30	12	13	38.6	12
Lock No. 4, Pa.	31	12	14	40.8	13
Cheat:					
Rowlesburg, W. Va.	12	12	12	12.3	12
Youghiogheny:					
Confluence, Pa.	10	12	12	11.8	12
Ohio:					
Pittsburgh, Pa.	22	13	14	26.4	13
Lock No. 2, Coraopolis, Pa.	26	13	13	26.0	13
Dam No. 6, Beaver, Pa.	30	13	14	35.5	13
Marietta, Ohio.	33	14	16	35.8	15
Parkersburg, W. Va.	36	15	16	37.4	15
Dam No. 22, Ravenswood, W. Va.	42	15	15	42.0	15
Point Pleasant, W. Va.	40	14	17	45.4	15
Dam No. 29, Normal, Ky.	50	15	17	51.2	16
Evansville, Ind.	35	20	24	36.5	22
Henderson, Ky.	33	21	24	33.9	22-23
Dam No. 48, Cypress, Ind.	42	22	23	42.4	22
Muskingum:					
Marietta, Ohio.	36	15	15	37.4	15
Tuscarawas:					
Gnadenhutten, Ohio.	10	15	16	10.8	16
Little Kanawha:					
Glenville, W. Va.	23	12	13	29.7	13
Creston, W. Va.	20	13	13	23.4	13
Kanawha:					
Charleston, W. Va.	30	13	13	30.0	13
Elk:					
Clay, W. Va.	18	12	13	23.6	12
White, West Fork:					
Edwardsport, Ind.	14	(1)	2	16.1	Apr. 30
Illinois:					
Henry, Ill.	7	(1)	20	13.5	Apr. 5
Beardstown, Ill.	12	(1)	12	17.6	Apr. 9
Meramec:					
Pacific, Mo.	11	29	(2)	17.5	31
Valley Park, Mo.	14	29	(2)	19.5	31
Bourbeuse:					
Union, Mo.	10	29	(2)	14.1	31
Arkansas:					
Wichita, Kans.	9	(1)	1	10.8	Apr. 30
Fort Smith, Ark.	22	1	3	23.0	2
Dandanelle, Ark.	20	1	4	21.2	3
Little Arkansas:					
Sedgwick, Kans.	18	(1)	(2)		
Petit Jean:					
Danville, Ark.	20	(1)	4	24.7	1
Black:					
Black Rock, Ark.	14	1	1	14.0	1
Cache:					
Patterson, Ark.	9	7	9	9.2	8-9
Sulphur:					
Ringo Crossing, Tex.	20	27	(2)	25.1	30-31
North Platte:					
North Platte, Nebr.	5	7	11	5.3	10
Osage:					
Warsaw, Mo.	22	31	31	22.7	31
WEST GULF DRAINAGE					
Trinity:					
Dallas, Tex.	25	(1)	(2)	29	31.0
Trinidad, Tex.	28	3	5	29.4	4
Liberty, Tex.	25	1	6	26.6	3-4
Guadalupe:					
Victoria, Tex.	16	18	18	17.1	18
Rio Grande:					
Albuquerque, N. Mex.	4	13	14	4.0	13-14
San Marcial, N. Mex.	2	(1)	(2)	4.8	17-18
COLORADO DRAINAGE					
Colorado:					
Lees Ferry, Ariz.	12	7	(2)	14.4	23-24
Parker, Ariz.	7	(1)	1	7.0	1
		11	(2)	8.9	26-27
PACIFIC DRAINAGE					
Columbia:					
Marcus, Wash.	24	20	(2)	20.7	27-28
Vancouver, Wash.	15	24	30	15.3	28-29
Clearwater:					
Kamiah, Idaho.	14	13	14	14.1	13

¹ Continued from last month.

² Continued at end of month.

³ Below flood stage at 8 a. m., May 1.